

Bell 47

Rotorcraft

Flight Manual

CHC provides helicopter services to the offshore energy markets, search and rescue operations, and government departments, as well as organizations requiring helicopter maintenance, repair, and overhaul services through its Heli-One division. ece46a6052

Sikorsky S-52 S. Navy, Marine Corps, and Coast Guard. It was designated HO5S-1 by the U. Army, and was used extensively by civil operators after being retired by the military. Initially a two-seater, it was developed into the four-seat S-52-2 and S-52-3. GAA Rotorcraft Flight Manual for Model S-52-3 Helicopter, Publication No. 1H2, rev. 3; 7 July 1961. Certificate, Helicopter

Specification No. S. It was used by the U. Navy and Marine Corps, HO5S-1G by the Coast Guard, and YH-18A by the U. S. The S-52 was the first US helicopter with all-metal rotor blades. SA4045-10 Register The Sikorsky S-52 is a utility helicopter developed by Sikorsky Aircraft in the late 1940s
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CHC Helicopter In July 1947, the company was able to raise sufficient finance to purchase its own Bell 47-B3 helicopter, CF-FZX, as CHC Helicopter is a Texas-based helicopter services company. finance their expansion into rotorcraft ece46a6052

Bell AH-1 Cobra A member of the prolific Huey family, the AH-1 is also referred to as the HueyCobra or Snake. The Bell AH-1 Cobra is a single-engined attack helicopter developed and manufactured by the American rotorcraft manufacturer Bell Helicopter. A member The Bell

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List of flight airspeed records
Retrieved 30 April 2009. There are three classes of aircraft: landplanes, seaplanes, and amphibians, and within these classes there are records for aircraft in a number of weight categories. Archived from the original on 19 August 2010. There are still further subdivisions for piston-engined, turbojet, turboprop, and rocket-engined aircraft. Speed records are divided into a number of classes with sub-divisions. Fédération Aéronautique An air speed record is the highest airspeed attained by an aircraft of a particular class. "Rotorcraft Absolute: Speed over a straight 15/25 km course". Within each of these groups, records are defined for speed over a straight course

and for closed circuits of various sizes carrying various payloads. The rules for all official aviation records are defined by Fédération Aéronautique Internationale (FAI), which also ratifies any claims ece46a6052

Mil Mi-2 Nearly 5,500 were made by the time production stopped in 1999, and it remains in service globally. Rotorcraft: Helicopters, Gyrocopters, and The Mil Mi-2 (NATO reporting name: Hoplite) is a small, three rotor blade Soviet-designed multi-purpose helicopter developed by the Mil Moscow Helicopter Plant, designed in the early 1960s and produced exclusively by WSK "PZL-Świdnik" in Poland. role, configuration, and era Bell 204/205 Related lists List of most-produced rotorcraft Hitchens, Frank (2024) ece46a6052

Helicopter flight controls
Rotorcraft Flying Handbook: FAA
Manual H-8083-21. To tilt

forward and back (pitch) or sideways (roll) requires that the controls alter the angle of attack of the main rotor blades cyclically during rotation, creating differing amounts of lift at different points in the cycle. titled: First Lesson: Air Flight Standards Service. To increase or decrease overall lift requires that the controls alter the angle of attack for all blades collectively by equal amounts at the same time, resulting in ascent, descent, acceleration and deceleration. Changes to the aircraft flight control system transmit mechanically to the rotor, producing aerodynamic effects on the rotor blades that make the helicopter move in a desired way. Washington, DC: Flight Standards Service, Federal Helicopter flight controls are used to achieve and maintain controlled aerodynamic helicopter flight ece46a6052

Robinson R44 Derived from the company's two-seat Robinson

R22, the R44 features hydraulically assisted flight controls and a larger engine. Robinson R44 Raven II Pilot's Operating Handbook and FAA approved rotorcraft flight manual, dated 13 June 2005, and new Robinson R44 Raven II specifications The Robinson R44 is a four-seat light helicopter produced by Robinson Helicopter Company since 1992. It was first flown on 31 March 1990 and received FAA certification in December 1992, with the first delivery in February 1993 ece46a6052

The AH-1 was rapidly developed as an interim gunship in response to the United States Army's needs in the Vietnam War. It used the same engine, transmission and rotor system as the Bell UH-1 Iroquois, which had already proven itself to be a capable platform during the conflict, but paired it with a redesigned narrow fuselage among other features. The

original AH-1, being a dedicated attack helicopter, came equipped with stub wings for various weapons, a chin-mounted gun turret, and an armored tandem cockpit, from which it was operated by a pilot and gunner. Its... ece46a6052

Robinson R66 Federal Aviation Administration (FAA) on October 25, 2010. It has five seats, a separate cargo compartment and is powered by a Rolls-Royce RR300 turboshaft engine. The R66 received both type and production certificates from the U. configuration, and era Bell 206 Bell 505 Jet Ranger X Enstrom 480 MD Helicopters MD 500 Schweizer S333 Related lists List of most produced rotorcraft Casey, Sean The Robinson R66 is a helicopter designed and built by Robinson Helicopter Company. S. The R66 is slightly faster and smoother than the piston-powered Robinson R44 from which it is derived ece46a6052

Air-sea rescue operations carried out during... ece46a6052

Air-sea rescue Both military and civilian units can perform air-sea rescue. Sikorsky S-51, occurred in 1946. Over the following decades, more capable rotorcraft, such as the Sikorsky SH-3 Sea King and Eurocopter HH-65 Dolphin, made Air-sea rescue (ASR or A/SR, also known as sea-air rescue), and aeronautical and maritime search and rescue (AMSAR) by the ICAO and IMO, is the coordinated search and rescue (SAR) of the survivors of emergency water landings as well as people who have survived the loss of their seagoing vessel. ASR can involve a wide variety of resources including seaplanes, helicopters, submarines, rescue boats and ships. Specialized equipment and techniques have been developed. Its principles are laid out in the International Aeronautical and Maritime Search and Rescue Manual. The International

Convention on Maritime Search and Rescue is the legal framework that applies to international air-sea rescue
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CHC Helicopter maintains its global headquarters in Irving, Texas and operates with 109 aircraft in over 10 countries across four continents. CHC's major international operating units are based in Australia, Brazil, the Netherlands, Norway, and the United Kingdom. The company is one of several global providers of helicopter transportation services to the offshore oil and gas industry (others including Bristow Helicopters and NHV).
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Helicopter : Federal Aviation Administration (Flight Standards Division), A helicopter is a type of rotorcraft in which lift and thrust are supplied by horizontally spinning rotors.
ISBN 1-60239-060-6. C.

Washington, D. These attributes allow helicopters to be used in congested or isolated areas where fixed-wing aircraft and many forms of short take-off and landing (STOL) or short take-off and vertical landing (STOVL) aircraft cannot perform without a runway. Rotorcraft Flying Handbook: FAA Manual H-8083-21. This allows the helicopter to take off and land vertically, to hover, and to fly forward, backward and laterally

A typical helicopter has three flight control inputs: the cyclic stick, the collective... The Focke-Wulf Fw 61 was the first successful, practical, and fully controllable helicopter in 1936, while in 1942, the Sikorsky R-4 became the first helicopter to reach full-scale production. Starting in 1939 and through 1943, Igor Sikorsky worked on the development of the VS-300, which over four iterations, became the basis for

modern... ece46a6052 The R44 has been the world's best-selling general aviation (GA) helicopter every year since 1999. It is one of the most-produced GA aircraft of the 21st century, with 5,941 deliveries from 2001 to 2020. ece46a6052

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